Bruhat Bengaluru Mahanagara Palike

Name of Work : Construction of RCC culvert & U Shape drain for secondary SWD in Mallsandra Ward No.13

Draft Tender Schedule

Sl. No.	Description	Unit	Qty	Rate in Rs.	Amount in Rs.
1	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications, iii) Dismantling Stone Masonry. A. Rubble Stone masonry in lime mortar. MORTH Specification No. 202 KSRRB M200- 15.2. -do- B. **Rubble stone masonry in cement mortar** with all lead and lift as directed by the Engineer-in-charge of work	Cum	23.40	250.56	5864.00
2	**Dismantling of Existing Structures** like Culverts,Bridges,Retaining Walls and other structures comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding where ever necessary,sorting the dismantled material,disposal of unserviceable material and stacking the seviceable material with all lifts complete as per specifications.(Prestressed/ reinforced cement concrete grade M20 and above) with all lead and lift as directed by the Engineer-in-charge of work	Cum	136.13	1042.20	141875.00
3	**Excavation of removal of silt m**ixed with sand, human excreta, garbage in slussy condition from Storm water drain in Bangalore City including disposing off the same as directed including cost of machinery labour, fuel etc., complete with all lead and lifts (By Mechanical Means) (RA as per MI SR 2014-15) as directed by the Engineer-in-charge of work	Cum	450.00	336.39	151376.00
4	**Diversion of water course by providing coffer dams or bunds or islands** as may be necessary for piers and abutments foundations, bailing out or pumping water during excavation and until completion etc... complete with all leads and lifts as directed by the Engineer in charge of the work.	Cum	146.25	346.68	50702.00
5	**Excavation in marshy soil** upto 3m depth for foundation of structures as per drawing and technical specifications, removing the excavated stuf to a lead of 15m, including dewatering, shoring, refilling trenches in 250mm layers, wherever necessary watering and ramming, including cost of all materials, labour complete as per specifications. V. **Marshy Soil - B Mechanical means** with all lead and lift as directed by the Engineer-in-charge of work	Cum	423.36	113.40	48010.00

Executive Engineer
Storm Water Drain Division
Dasarahalli Zone BBMP Bangalore

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Sl. No.	Description	Unit	Qty	Rate in Rs.	Amount in Rs.
6	Earth work in **excavation for foundation** of structures such as culverts, bridges etc., as per drawing and technical specifications,including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material complete as per specifications **in Ordinary soil - B. Mechanical Means** (i) Depth upto 3m MORTH Specification No. 304 with all lead and lift as directed by the Engineer-in-charge of work	Cum	1987.52	51.84	103034.00
7	Providing and **filling in foundation with Granite/trap broken metal** 100mm and down size, with approved sand including hand packing, ramming,watering, including cost of all materials and labour with all lead and lift.complete as per specifications as directed by the Engineer in charge of the work.	Cum	394.98	2133.78	842801.00
8	**Plain Cement Concrete M10** with OPC cement @ 220 kgs, with crushed 40mm and down size graded metal coarse aggregates @0.84 Cum and fine aggregates @ 0.56Cum, in foundation mechanically mixed placed in foundation and compacted by vibration including curing for 14 days complete as per specifications MORTH Specification No.2100 with all leads and lifts as directed by the Engineer in charge of the work.	Cum	192.04	5805.00	1114793.00
9	**Plain/reinforcement Cement Concrete design mix M25** with OPC cement @340 kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.70Cum and fine aggregates @0.47Cum with superplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008, **open foundation** complete as per Drawing and Technical Specification with Batching plant, transit mixer and concrete pump. MORTH Specification No. 1500, 1700 & 2100 with all leads and lifts as directed by the Engineer in charge of the work.	Cum	215.64	6237.00	1344947.00
10	**Design mix M25 sub structure** with OPC cement @340kgs, with 20mm and down size graded granite metal coarse aggregates @0.7Cum and fine aggregates @0.47Cum with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 with all leads and lifts as directed by the Engineer in charge of the work.	Cum	244.80	7002.72	1714266.00
11	Plain / Reinforced cement concrete in **Open foundation with OPC cement design mix M 30** @360kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.46cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008,ncluding cost of all material,HOM of machinery,labour curing etc., complete with all lead and lifts, as per drawing and technical specification with Batching Plant, Transit Mixer and Concrete Pump as directed by the Engineer in charge of the work.	Cum	86.10	6378.48	549188.00
12	Design mix **M30 sub structure with OPC cement** @360kgs, with 20mm and down size graded granite metal coarse aggregates @0.69Cum and fine aggregates @0.46Cum with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 with all lead and lift as directed by the Engineer-in-charge of work.	Cum	121.94	7153.92	872350.00

Executive Engineer,
SWD-DHZ

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Sl. No.	Description	Unit	Qty	Rate in Rs.	Amount in Rs.
13	Furnishing and Placing Reinforced/ Prestressed **cement concrete in super-structure as per drawing and Technical Specification complete as per specifications. D. RCC / PSC with OPC cement design mix M30** @ 360kgs, with 20mm and down size graded granite metal coarse aggregates @0.66cum and fine aggregates @ 0.46cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, Case - II : Using Batching Plant, Transit Mixer & Concrete Pump MORTH Specification No. 1500,1600 & 1700 with all lead and lift as directed by the Engineer-in-charge of work	Cum	80.38	7351.56	590919.00
14	Supplying,fitting and placing **TMT bar reinforcement in sub-structure** complete as per drawing and technical specifications complete as per specifications. TMT Bars Fe 500 with all leads and lifts as directed by the Engineer in charge of the work.	MT	64.32	53549.64	3444528.00
15	Supplying,fitting and placing **TMT bar reinforcement in super-structure** complete as per drawing and technical specifications complete as per specifications. TMT Bars Fe 500 with all leads and lifts as directed by the Engineer in charge of the work.	MT	8.84	54425.52	481220.00
16	**Providing weep holes** in Brick masonry I Plain I Reinforced concrete abutment, wing wall I return wall with 100 mm dia AC pipe, extending through the full width of the structure with slope of 1V :20H towards drawing foce. Complete as per drawing and Technical Specifications complete as per specifications MORTH Specification No.2706 & 2200 with all lead and lift as directed by the Engineer-in-charge of work	Nos/Rmt	122.50	180.36	22095.00
17	Providing and laying of **Filter media with granular** materials/stone crushed aggregates satisfying the requirements laid down in clause 2500.4.2.2 of MORTH specifications to a thickness of not less than 600 mm with smaller size towards the soil and bigger size towards the wall and provided over the entire surface behind abutment, wing wall and return wall to the full height compacted to a firm condition complete as per drawing and Technical Specification complete as per specifications with all lead and lifts, etc., after breaking of clods complete as per specifications and with all lead and lift as directed by the Engineer-in-charge of work	Cum	282.60	1297.08	366555.00
18	Collecting, Conveying and disposal of surplus/excavated earth including Stone Boulder / Stone aggregates /Sand/ Kanker / Moorum **to designated dumping site disposing off** with all leads and lifts as directed by the Engineer in charge of the work.	Cum	2570.41	119.06	306031.00

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Sl. No.	Description	Unit	Qty	Rate in Rs.	Amount in Rs.
19	Providing and **fixing 50mm diameter and 750mm long perforated GI pressure relief pipe** with one end closed by perforated GL plate and other end provided with alluminium lid hinged to pipe including cost of all materials,labour, drilling 8mm dia holes etc., complete with all lead and lift as directed by the Engineer-in-charge of work	Nos	30.00	407.00	12210.00
20	WRD: Providing and fixing 20mm thick 150mm depth tarfelt expasion joint filler board for cement concrete lining of canal including cost of all materils, labour etc,. Complete with all leads and lifts as directed by the Engineer in charge of the work.	Rmt	265.60	123.00	32669.00
21	Supplying and fixing **M.S. Rectangular poles** made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC (1:2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 cms. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead lifts and as per the directions of the Engineer-in - charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete)	Rmt	604.50	991.44	599326.00
22	Providing **chain link fencing** 50mm size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint	Sqm	1212.00	697.68	845589.00
23	Providing and fixing **M.S. Block pipe of 38mm dia,** of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between / the existing two verticle poles (M.S. rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc., complete including two coats of approved quality paint over one coat of shop paint.	Rmt	1939.20	338.04	655528.00
24	Reinforced cement concrete **M30 approach slab** including reinforcement @ 50 kg/Cum and formwork complete as per drawing and Technical specification complete as per specifications MORTH Specification No. 1500,1600,1700 & 2704 with all lead and lift as directed by the Engineer-in-charge of work	Cum	36.00	10200.60	367222.00

No. of corrections : NIL

DTS Approved.

Chief Engineer
Storm Water Drain
both Bangalore Mahanagara Palike

Executive Engineer
Storm Water Drain Division
Dasarahalli Zone BBMP Bangalore

Executive Engineer

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